AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An apparatus for receiving a signal of digital broadcasting service, comprising:

an array antenna having a plurality of antenna elements, each antenna element for receiving broadcast signals of from the digital broadcasting service;

<u>a</u> demodulation means for demodulating the receiving <u>broadcast</u> signals, <u>each</u> corresponding to each of antenna elements <u>included</u> in the array antenna;

<u>a</u> beam-forming means for <u>receiving modulated signals of the demodulation</u> <u>means to generating generate</u> a predetermined number of beamformed <u>signal signals</u> by applying <u>based on different a beam-forming weights in order to steer each of</u> the <u>beam predetermined number of beamformed signals</u> to a predetermined direction according to the modulated <u>signal signals</u> from the modulation means; and

<u>a</u> beam selection means for selectively receiving selecting one of the <u>predetermined number of beamformed</u> signals <u>based on each predetermined direction</u> of the predetermined number of beamformed signals of desired direction according to the beam forming signal, wherein the selected beamformed signal has the most desirable direction.

- 2. (Currently Amended) The apparatus as recited in claim 1, wherein the array antenna is a second predetermined number of axis linear array arrays, each having a first predetermined number of antenna elements.
- 3. (Currently Amended) The apparatus as recited in claim 1, wherein the array antenna is a circular at least one circular-type array antenna having a third predetermined number of antenna elements.
- 4. (Currently Amended) The apparatus as recited in claim 1, wherein the array antenna is a <u>at least one</u> planar array antenna having a third predetermined number of antenna elements.
- 5. (Currently Amended) The apparatus as recited in claim 1, wherein the demodulation means includes a plurality of demodulators, the number of

demodulators equaling as many as the number of antenna elements in the array antenna.

6. (Currently Amended) An apparatus for receiving a signal of digital broadcasting service, comprising:

switched beamforming means for generating a beamformed signal in order to direct a predetermined number of angles by applying a beam-forming weight to a received signal of from the digital broadcasting service and selectively receiving a signal of a desired direction; and

beam selection means for selectively receiving the signal of desired direction according to a predetermined number of beam forming signals.

7. (Currently Amended) The apparatus as recited in claim 6, wherein the switched beamforming means includes:

beam-forming means for generating a predetermined number of beamformed signals by applying beam-forming weights in order to steer the beam to a predetermined direction to receive a digital broadcasting signal, and

wherein the predetermined number of beam forming signals are generated by the beam forming means.

beam selection means for selectively receiving signal of desired direction according to a predetermined number of beam forming signals generated by the beam forming means.

8. (Currently Amended) The apparatus as recited in claim 7, wherein the beamforming means outputs <u>a signal</u> by eliminating <u>multipath</u> receiving signals of multipath to a channel equalizer in order to improve equalization performance of the channel equalizer.